

RAW SEQUENCE LISTING

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Application Serial Number: 10/524,043
Source: PCT
Date Processed by STIC: 08/22/2005

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PCT

RAW SEQUENCE LISTING

DATE: 08/22/2005

PATENT APPLICATION: US/10/524,043

TIME: 17:08:31

Input Set : A:\BN48PCT.ST25.txt

Output Set: N:\CRF4\08222005\J524043.raw

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3 <110> APPLICANT: Bavarian Nordic A/S
5 <120> TITLE OF INVENTION: Vaccinia virus host range genes to increase the titer of
6   avipoxviruses
8 <130> FILE REFERENCE: 23117
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/524,043
C--> 10 <141> CURRENT FILING DATE: 2005-02-04
10 <150> PRIOR APPLICATION NUMBER: DK PA 2002 01189
11 <151> PRIOR FILING DATE: 2002-09-08
13 <160> NUMBER OF SEQ ID NOS: 4
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 615
19 <212> TYPE: DNA
20 <213> ORGANISM: MVA
23 <220> FEATURE:
W--> 24 <221> NAME/KEY: estimated promoter sequence for C7L in MVA
25 <222> LOCATION: (1)..(162)
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (163)..(615)
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34 tgtggaattt ataaacttat gatagtaaaa ctagtaccca atatgtaaag atgaaaaagt      120
36 aaattactat taacgccgtc ggtattcggt catccattca gt atg ggt ata cag      174
37                                     Met Gly Ile Gln
38                                     1
40 cac gaa ttc gac atc att att aat gga gat atc gcg ttg aga aat tta      222
41 His Glu Phe Asp Ile Ile Ile Asn Gly Asp Ile Ala Leu Arg Asn Leu
42 5                               10                               15                               20
44 cag tta cat aaa ggg gat aac tac gga tgc aaa cta aaa att att tcg      270
45 Gln Leu His Lys Gly Asp Asn Tyr Gly Cys Lys Leu Lys Ile Ile Ser
46                               25                               30                               35
48 aat gat tac aag aaa tta aag ttt aga ttc att ata cgc cca gat tgg      318
49 Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile Arg Pro Asp Trp
50                               40                               45                               50
52 tcg gaa atc gac gag gtc aaa gga tta acc gta ttt gca aac aac tat      366
53 Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe Ala Asn Asn Tyr
54                               55                               60                               65
56 gcg gtg aaa gtt aat aag gta gat gac acg ttc tat tac gta ata tat      414
57 Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr Tyr Val Ile Tyr
58                               70                               75                               80
60 gag gct gta ata cat ctg tat aac aaa aaa aca gag ata ttg att tat      462
61 Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu Ile Leu Ile Tyr

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62 85          90          95          100
64 tct gat gat gag aac gaa ctc ttt aaa cac tat tac cca tac atc agt      510
65 Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr Pro Tyr Ile Ser
66          105          110          115
68 cta aat atg att agt aaa aag tat aaa gtt aaa gaa gaa aac tac tca      558
69 Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu Glu Asn Tyr Ser
70          120          125          130
72 tcc ccg tat ata gaa cat ccg tta atc ccg tat aga gat tat gag tcc      606
73 Ser Pro Tyr Ile Glu His Pro Leu Ile Pro Tyr Arg Asp Tyr Glu Ser
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77 Met Asp
78          150
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82 <211> LENGTH: 150
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84 <213> ORGANISM: MVA
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89 1          5          10          15
92 Leu Arg Asn Leu Gln Leu His Lys Gly Asp Asn Tyr Gly Cys Lys Leu
93          20          25          30
96 Lys Ile Ile Ser Asn Asp Tyr Lys Lys Leu Lys Phe Arg Phe Ile Ile
97          35          40          45
100 Arg Pro Asp Trp Ser Glu Ile Asp Glu Val Lys Gly Leu Thr Val Phe
101          50          55          60
104 Ala Asn Asn Tyr Ala Val Lys Val Asn Lys Val Asp Asp Thr Phe Tyr
105 65          70          75          80
108 Tyr Val Ile Tyr Glu Ala Val Ile His Leu Tyr Asn Lys Lys Thr Glu
109          85          90          95
112 Ile Leu Ile Tyr Ser Asp Asp Glu Asn Glu Leu Phe Lys His Tyr Tyr
113          100          105          110
116 Pro Tyr Ile Ser Leu Asn Met Ile Ser Lys Lys Tyr Lys Val Lys Glu
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124 Asp Tyr Glu Ser Met Asp
125 145          150
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129 <211> LENGTH: 1001
130 <212> TYPE: DNA
131 <213> ORGANISM: Canarypoxvirus
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138 ctaataacctg taatagagta gtttttagacg gtagtagata cgttacaaaa acctttaatg      180
140 atacaatata aatggaacta actagagaaa cgctgatatt tgtaggcatt actgtactag      240
142 tagtagtaat gatcatatct ggtttctcac taatattgcg attgatacct ggtgtatatt      300
144 catcagttat tagatcgctg ttcgtaggag ggaaaatatt aagatttatg gaggtattct      360

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146 ctactgttat gtttatacca tcattagtaa tactttatac agcatatata aggaaatcta 420
148 aagtgaaaaa taactaaata ttatagtatt tgtaataaat ggctactgga gagattcgtc 480
150 ttattatagg gcctatgttt tcaggtaaaa caacagaatt agttagatta ataagaagat 540
152 ttatgatata gggacgtaaa tgtataataa taaaacattg tagtgattcc cgttataccg 600
154 aaggagattt agaagctata tatactcatg ataaaatttc gatggaagca ctatcgtgta 660
156 gcaaattatt acctttaata cctaaaattg ataactttga agtaataggt atagacgaag 720
158 gacagttttt tgaagatata gtagaattta gtgagattat ggctaataag ggtaaaactg 780
160 taatcatagc ggctttaaat ggagatttca aacgacaatt atttggaac atatttaaac 840
162 tattatcttt atcagaatca gttactagtt taactgctat ttgtgcagtt tgtaaaaacg 900
164 aagcatcttt ttctaagcgc atgactgatg ataaagatgt aaaagttata ggaggtaaag 960
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170 <211> LENGTH: 1003
171 <212> TYPE: DNA
172 <213> ORGANISM: Canarypoxvirus
174 <400> SEQUENCE: 4
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179 aactatacaa aatggattta gatattaaat cttgcagaag tatttacaaa atatgggata 180
181 aatatcattt tatgacaggg tataaatata aaaatgataa acagagattt aaaattacaa 240
183 tttactgtaa atgtgattgt tctatcaaag aatatcctta tagatttggt actgagaaac 300
185 tgcttttaat gtatattatt aataagttta gaggaaagta tctaatacaa attaggatag 360
187 aacccatagt taaaaattaa atcatatata aatacatgtc agttttttat cgaaaaatgg 420
189 atttataaat aaaatgaaaa ataacttgaa tgaaggaaaa aataaccatg agtaaaaaac 480
191 cagtaaagac ggtccagcgt agacgtggaa acgatgagga taataagttt acttgatatcc 540
193 aagcgctaga acatgcaaaa agcttatgta ctaaaaataa taaaatagtt aaatctgtta 600
195 aactatcaca atctctcttt aagtcattct acaatatttc tgtgatatta gaaccagaat 660
197 ataaagacaa attagtgact cctcttatta ttgtagaagg tgaaggaaaa atataccata 720
199 ataagaatga tagttttaat cgtgaagaac cgtattttct aaaaatacga cctacgttaa 780
201 tgaatcctat attatatcag attatggaat gcatttatag agatctcaat tatttggtac 840
203 ccgagaatac gatggatgaa aaaacattta aagattgtca tctgtatatt aacggaaata 900
205 ggattatgtc cgccgacgta aaatatttga agaattggtaa acctgtagga gaaaaattat 960
207 ccgtatccaa ggaaatagat aaactggtta aaaaagatcc aca 1003

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VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:24 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1